

## FLUX REMOVERS



### Flux Solv<sup>3</sup>

Flux Solv<sup>3</sup> is a fast evaporating, non-ozone depleting flux remover that leaves no residue. It is formulated to remove R, RA, RMA and SA type fluxes. Flux Solv<sup>3</sup> is non-flammable and safe on many plastics. Flux Solv<sup>3</sup> contains no HCFC's or CFC's and is a replacement for HCFC 141b flux removers.

**Applications:**  
PC boards, electronic and electrical components. Test for compatibility with sensitive plastics. Incompatible with ABS, PS, and Lexan.

**Environmental Data:**  
CFC: 0% HCFC: 0% ODP: 0 VOC: 60%

**Part No. 19-272** 16 oz. Aerosol  
Replaces Part No. **19-328-22**



### Static-Free High Strength Flux Remover

A powerful Flux Remover that will dissolve and flush away all known fluxes immediately. May cause loss of nomenclature from capacitors or like products. Can discolor some plastics. Will not harm circuit performance. Static-free formulation. Contains Trichloroethylene, Isopropanol and Carbon Dioxide.

**Part No. 19-7518** Static-Free 12 oz. Aerosol  
Replaces Part No. **19-7517**

**Part No. 19-7522** Static-Free 18 oz. Aerosol  
Replaces Part No. **19-7521**



### Glass & Plastic Cleaner

Wipes dirt, dust and grime from all glass and plastic surfaces without leaving streaks or dulling residue. Contains grease-cutting ammonia. Convenient aerosol packaging. Economical for home or industry. Good for flat screen TV's and computer monitors.

**Part No. 10-9082** 19 oz. Aerosol



### GC Flux Solv

For De-Energized Equipment

GC Flux Solv has a hydrocarbon/alcohol base. It is excellent for the removal of Ionic and Non-Ionic fluxes from electronic components, PC boards or other surfaces requiring an extra strength flux remover. Fast evaporation. GC Flux Solv is formulated with no chlorinated solvents and thus has no ozone depleting chemicals. No CFCs or HCFCs.

**Part No. 19-825-G** 1 gal.



### Flux Remover & Cleaner II

Removes all types of organic flux. Pinpoint applicator supplied. Non ODC. Contains: Trichloroethylene, Carbon Dioxide and Isopropyl Alcohol.

**Part No. 10-220** 2 fl. oz. Bottle

**Part No. 19-229** 16 fl. oz. Can  
Replaces Part No. **10-228**

**Part No. 22-271** 16 oz. Aerosol  
Replaces Part No. **22-270**



### GC Glass Treatment Compound

For glass, plastics, and finished surfaces. Easy to apply and very effective in removing smudges, dirt, oily films and other deposits with a minimum amount of rubbing. Active ingredients are silicone-glycol polymers which provide a high luster and minimize or eliminate dust attracting static. Harmless to practically any surface, will not scratch, discolor or streak. Good for flat screen TV's and computer monitors.

**Part No. 10-1756** 6 fl. oz. Pump  
N.S.N. 7930-01-053-3758

**MATERIAL SAFETY DATA SHEET**

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: **Flux Remover**  
 Product Name: **GC STATIC FREE FLUX REMOVER**  
 Part Number(s): **19-7522**  
**19-7518**

**Section 1 - Identification of Product**COMMON NAME (used on label)(Trade Name & Synonyms): **GC STATIC FREE FLUX REMOVER**

CAS. NUMBER: See Section 2

CHEMICAL NAME: Trichloroethylene &amp; Isopropanol

CHEMICAL FAMILY: N/A

FORMULA: N/A

**HMIS RATINGS**

	Minimal Hazard	0
	Slight Hazard	1
Health: 2	Moderate Hazard	2
Flammability: 1	Serious Hazard	3
Reactivity: 0	Severe Hazard	4
Personal Protection: B	Gloves, Safety Glasses	B

**Section 2 - Hazardous Ingredients**

Principal Hazardous Component(s)

CHEMICAL AND COMMON NAME(S)	CAS. #	OSHA		ACGIH		VAPOR PRESSURE @ 25 DEG. C.		FLASH POINT/DEG. F		% BY WT.
		PEL	TLV	TLV		LEL	UEL			
Isopropyl Alcohol**	67-63-0	400ppm	400ppm	400ppm		31 mmHg	2.2	12.0	53(TCC)	15 - 20
Trichloroethylene**	79-01-6	50 ppm	50ppm	50ppm		60 mmHg	8.0	44.8	None	80 - 90
Carbon Dioxide	124-38-9	5000ppm				1 atm.	None		None	5

\*\*NOTE: This product contains an ingredient subject to Section 313 of SARA Title III.

**WARNING: This product contains Trichloroethylene which is known to the state of California to cause cancer, birth defects or other reproductive harm.**

N/A is not available or not applicable

**Section 3 - Physical Data**

**BOILING POINT (Deg. F):** Concentrate Range: 170 - 200

**SPECIFIC GRAVITY (Water = 1):** Concentrate: 1.1

**VAPOR PRESSURE (mmHg):** See Section 2

**PERCENT VOLATILE BY WEIGHT (%):** 95%

**PERCENT VOLATILE ORGANIC COMPOUNDS:** 15%

**VAPOR DENSITY (Air = 1):** >1

**EVAPORATION RATE (BA = 1):** >1

**SOLUBILITY IN WATER:** Negligible

**REACTIVITY IN WATER:** None

**APPEARANCE AND ODOR:** CONCENTRATE: Clear liquid, irritating odor at high concentrations; PROPELLANT: Colorless, odorless gas; FINISHED PACKAGE: Pressurized containers.

**Section 4 - Fire & Explosion Hazard Data**

**FLASH POINT:** See Section 2

**FLAMMABLE LIMITS IN AIR - % BY VOLUME:** See Section 2

**EXTINGUISHER MEDIA:** Water fog, dry chemical, carbon dioxide

**AUTO-IGNITION TEMPERATURE:** Unknown

**SPECIAL FIRE FIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up and possible bursting when exposed to high temperatures. Firemen should wear self-contained, positive pressure, respiratory equipment.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Although aerosols are classified as nonflammable under ASTM D 3065-77 Flame Projection Test, this product should not be used or stored near any open flames or ignition sources. Contents under pressure. Self-pressurized aerosol containers. Keep temperature of containers below 120 deg. F. to prevent bursting. Hazardous decomposition products.

**Section 5 - Health Hazard Data**

**THRESHOLD LIMIT VALUE:** See Section 2

**SIGNS AND SYMPTOMS OF EXPOSURE:****EYE CONTACT:**

Contact with liquid or mist may cause irritation. Vapors may irritate eyes;

**SKIN CONTACT:**

Prolonged contact may cause irritation, defatting of skin; **INHALATION:**

Overexposure to vapor may cause dizziness, loss of concentration and irritation. With high exposure levels, effects can include central nervous system (CNS), depression (intoxication), cardiac arrhythmia, and death. Product vapors displace air and can cause suffocation especially in confined space.

**INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS OF THE CAN MAY BE HARMFUL OR FATAL;**

**INGESTION:**

Aspiration may cause rapid absorption through the lungs, which may result in systemic effects.

**Section 7 - Spill or Leak Procedures****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

**SMALL SPILLS:** Remove ignition sources. Mop up, wipe up, or soak up immediately. Use proper protective equipment.

**LARGE SPILLS:** Evacuate area. Remove ignition sources. Contain liquid; transfer to closed containers; keep out of water supplies.

**WASTE DISPOSAL METHODS:** Dispose in accordance with Federal, State, and Local regulations. Do not incinerate incinerate closed or empty containers.

**Section 8 - Special Protection Information**

**RESPIRATORY PROTECTION:** NIOSH or Bureau of Mines approved organic vapor-type respirator is required in required in absence of proper environmental control..

**VENTILATION:**

LOCAL EXHAUST: To keep below TLV

MECHANICAL (General): To keep below TLV

SPECIAL: None

OTHER: None

**PROTECTIVE GLOVES:** Solvent resistant gloves - impervious gloves

**EYE PROTECTION:** Safety glasses or goggles

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None reasonably foreseeable.

**Section 9 – Special Precautions****PRECAUTIONS TO BE TAKEN  
IN HANDLING AND STORAGE:**

Do not store above 110 Deg. F. Do not use or store near any open flames or ignition sources. Avoid repeated contact with skin.

**OTHER PRECAUTIONS:**

Contents under pressure. Do not puncture or incinerate. Exposure to temperatures above 120 Deg. F may cause can to burst with violence and cause injury. Vapors are heavier than air and will collect in low areas.

**Section 10 - Regulatory Information**

SUBJECT TO SECTION 313 OF SARA TITLE III: Yes. Trichloroethylene, Isopropyl Alcohol

ALL CHEMICAL COMPONENTS ARE LISTED IN THE TSCA INVENTORY.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: NATIONAL TOXICOLOGY PROGRAM: No.

I.A.R.C. MONOGRAPHS: Yes - Trichloroethylene

OSHA: No.